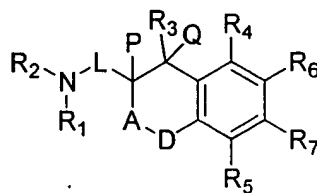


What is claimed is:

1. A compound of formula (I)



(I),

or a pharmaceutically acceptable salt, ester, amide, or prodrug thereof, wherein

A is selected from the group consisting of carbonyl and a covalent bond;

D is selected from the group consisting of O and S;

L is selected from the group consisting of lower alkylene, fluoroalkylene, and hydroxyalkylene;

P and Q taken together form a covalent bond or are both hydrogen;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, aryl, arylalkyl, cycloalkyl, cycloalkylalkyl, heterocycle, heterocyclealkyl, hydroxyalkyl, alkenyl, and alkynyl; or

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle;

R₃ is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, aryl, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, heterocycle, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl, and (NR_AR_B)sulfonyl;

R₄, R₅, R₆ and R₇ are each independently selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, aryl, carboxy, carboxyalkyl, cyano, cyanoalkyl, cycloalkyl, formyl, halogen, haloalkoxy, haloalkyl, heterocycle, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl, (NR_AR_B)sulfonyl, -L₂R₂₀, and -R₂₀L₃R₂₂;

L₂ is selected from the group consisting of alkylene, alkenylene, O, S, S(O), S(O)₂, C(=O), C(=NOR₂₁), and N(R_A);

L₃ is selected from the group consisting of a covalent bond, alkylene, alkenylene, O, S, C(=O), N(=OR₂₁), and N(R_A);

R₂₀ is selected from the group consisting of aryl, heterocycle, and cycloalkyl;

R₂₁ is selected from the group consisting of hydrogen and alkyl;

R₂₂ is selected from the group consisting of aryl, heterocycle, and cycloalkyl;

5 R_A and R_B are each independently selected from the group consisting of hydrogen, alkyl, alkylcarbonyl and formyl;

provided that at least one of R₄, R₅, R₆, or R₇ is aryl, heterocycle, cycloalkyl, -L₂R₂₀ or -R₂₀L₃R₂₂.

2. A compound according to claim 1 wherein

10 A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

15 R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholiny, piperaziny, piperidiny, pyridiny, pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, pyrroly, 3,6-dihydro-1(2H)-pyridiny, thiomorpholiny, and 1,1-dioxidothiomorpholiny;

R₃, R₄, R₅ and R₇ are hydrogen;

20 R₆ is L₂R₂₀;

L₂ is C(=O); and

R₂₀ is aryl.

3. A compound according to claim 1 wherein

25 A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

30 R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidiny, (3R)-3-(dimethylamino)pyrrolidiny, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidiny, (3S)-3-hydroxy-1-pyrrolidiny, (2S)-2-(hydroxymethyl)pyrrolidiny,

(2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is L₂R₂₀;

L₂ is C(=O); and

R₂₀ is aryl.

4. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is L₂R₂₀;

L₂ is C(=O); and

R₂₀ is phenyl substituted with 0, 1, 2 or 3 substituents selected from the group consisting of hydrogen, alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, alkylthio, carboxy, cyano, formyl, haloalkoxy, haloalkyl, halogen, hydroxyalkyl, oximyl, (NR_AR_B)carbonyl, and-NR_AR_B.

5. A compound according to claim 4 selected from the group consisting of

(4-fluorophenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone;

(3-fluorophenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone;

(2-fluorophenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone;

5 (3-chlorophenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone;

(4-chlorophenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone;

10 (4-methoxyphenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone;

(4-fluoro-3-methylphenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone;

(4-chloro-3-methylphenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone;

15 (2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)[4-(methylthio)phenyl]methanone;

[4-(dimethylamino)phenyl](2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone;

20 (4-methylphenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone;

(3,5-difluorophenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone;

(2-methoxyphenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone;

25 (3-methoxyphenyl)(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone; and

(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)(phenyl)methanone.

6. A compound according to claim 1 wherein

30 A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholiny, piperaziny, piperidiny, pyridiny, pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, pyrroly, 3,6-dihydro-1(2H)-pyridiny, thiomorpholiny, and 1,1-dioxidothiomorpholiny;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is L₂R₂₀;

L₂ is C(=O); and

R₂₀ is cycloalkyl.

7. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidiny, (3R)-3-(dimethylamino)pyrrolidiny, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidiny, (3S)-3-hydroxy-1-pyrrolidiny, (2S)-2-(hydroxymethyl)pyrrolidiny, (2R)-2-(hydroxymethyl)pyrrolidiny, (cis)-2,6-dimethylpiperidiny, 4-methyl-1-piperidiny, 2-methyl-1-piperidiny, 1-piperidiny, (2R,5R)-2,5-dimethylpyrrolidiny, (cis)-2,5-dimethylpyrrolidiny, 1-pyrrolidiny, 2-methyl-1-pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, (2S)-2-methyl-1-pyrrolidiny, (2R)-2-methyl-5-oxo-1-pyrrolidiny, (2S)-2-methyl-5-oxo-1-pyrrolidiny, 3,6-dihydro-1(2H)-pyridiny, (2S)-2-(methoxycarbonyl)-1-pyrrolidiny, (2R)-2-(methoxycarbonyl)-1-pyrrolidiny, (2S)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-ethyl-1-pyrrolidiny, 2,2-dimethyl-1-pyrrolidiny, (2S)-2-ethyl-1-pyrrolidiny 4-morpholiny, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is L₂R₂₀;

L₂ is C(=O); and

R₂₀ is cycloalkyl.

8. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is L₂R₂₀;

L₂ is C(=O); and

R₂₀ is cycloalkyl.

9. A compound according to claim 8 that is cyclopropyl(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)methanone.

10. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is L₂R₂₀;

L₂ is selected from the group consisting of alkylene and alkenylene; and

R₂₀ is aryl.

11. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is $-\text{CH}_2\text{CH}_2-$;

5 P and Q taken together form a covalent bond;

R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

R_3 , R_4 , R_5 and R_7 are hydrogen;

20 R_6 is L_2R_{20} ;

L_2 is selected from the group consisting of alkylene and alkenylene; and

R_{20} is aryl.

12. A compound according to claim 1 wherein

25 A is a covalent bond;

D is O;

L is $-\text{CH}_2\text{CH}_2-$;

P and Q taken together form a covalent bond;

30 R_1 and R_2 taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R_3 , R_4 , R_5 and R_7 are hydrogen; and

R_6 is L_2R_{20} ;

L₂ is selected from the group consisting of alkylene and alkenylene; and

R₂₀ is phenyl substituted with 0, 1, 2, or 3 substituents selected from the group consisting of hydrogen, alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, alkylthio, carboxy, cyano, formyl, haloalkoxy, haloalkyl, halogen, hydroxyalkyl, oximyl, (NR_AR_B)carbonyl, and -NR_AR_B.

13. A compound according to claim 12 selected from the group consisting of (2R)-1-(2-{5-[2-(4-fluorophenyl)vinyl]-1-benzofuran-2-yl}ethyl)-2-methylpyrrolidine; and

(2R)-1-[2-(5-benzyl-1-benzofuran-2-yl)ethyl]-2-methylpyrrolidine.

14. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃, R₄, R₅ and R₇ are hydrogen; and

R₆ is alkylcarbonyl.

15. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-

hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

R₃, R₄, R₅ and R₇ are hydrogen; and
R₆ is alkylcarbonyl.

16. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃, R₄, R₅ and R₇ are hydrogen; and

R₆ is alkylcarbonyl.

17. A compound according to claim 16 that is 3-ethyl-1-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)-1-pentanone.

18. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholiny, piperaziny, piperidiny, pyridiny, pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, pyrroly, 3,6-dihydro-1(2H)-pyridiny, thiomorpholiny, and 1,1-dioxidothiomorpholiny;

R₃, R₄, R₅ and R₇ are hydrogen; and

R₆ is heterocycle.

19. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidiny, (3R)-3-(dimethylamino)pyrrolidiny, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidiny, (3S)-3-hydroxy-1-pyrrolidiny, (2S)-2-(hydroxymethyl)pyrrolidiny, (2R)-2-(hydroxymethyl)pyrrolidiny, (cis)-2,6-dimethylpiperidiny, 4-methyl-1-piperidiny, 2-methyl-1-piperidiny, 1-piperidiny, (2R,5R)-2,5-dimethylpyrrolidiny, (cis)-2,5-dimethylpyrrolidiny, 1-pyrrolidiny, 2-methyl-1-pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, (2S)-2-methyl-1-pyrrolidiny, (2R)-2-methyl-5-oxo-1-pyrrolidiny, (2S)-2-methyl-5-oxo-1-pyrrolidiny, 3,6-dihydro-1(2H)-pyridiny, (2S)-2-(methoxycarbonyl)-1-pyrrolidiny, (2R)-2-(methoxycarbonyl)-1-pyrrolidiny, (2S)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-ethyl-1-pyrrolidiny, 2,2-dimethyl-1-pyrrolidiny, (2S)-2-ethyl-1-pyrrolidiny 4-morpholiny, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-yl;

R₃, R₄, R₅ and R₇ are hydrogen; and

R₆ is heterocycle.

20. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl; R₃, R₄, R₅ and R₇ are hydrogen;

R₃, R₄, R₅ and R₇ are hydrogen; and

R₆ is heterocycle selected from the group consisting of furyl, imidazolyl, isothiazolyl, isothiazolinyl, isoxazolyl, oxadiazolyl, oxazolyl, pyrazinyl, pyrazolyl, pyridinyl, pyrimidinyl, pyridazinyl, pyrrolyl, tetrazolyl, thiadiazolyl, thiazolyl, thienyl, triazinyl, triazolyl, benzimidazolyl, benzothiazolyl, benzothienyl, benzoxazolyl, benzofuranyl, cinnolinyl, indazolyl, indolyl, indoliziny, naphthyridinyl, isobenzofuranyl, isobenzothienyl, isoindolyl, isoquinolinyl, quinolinyl, quinoliziny, quinoxaliny, or quinazolinyl wherein the heterocycle is substituted with 0, 1, 2, or 3 substituents selected from alkenyl, alkoxy, alkoxyalkyl, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, arylalkyl, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, haloalkylcarbonyl, hydroxy, hydroxyalkyl, mercapto, nitro, oxo, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl.

21. A compound according to claim 21 selected from the group consisting of
5-(chloromethyl)-3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1,2,4-oxadiazole;

3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-5-propyl-1,2,4-oxadiazole;

5-ethyl-3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1,2,4-oxadiazole;

5-methyl-3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1,2,4-oxadiazole;

3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)pyridine;

1-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)-1H-imidazole; and

- 3,5-dimethyl-4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)isoxazole;
- 3,5-dimethyl-4-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-isoxazole;
- 5-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-2-phenyl-oxazole;
- 2-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-thiazole;
- 4-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-1H-pyrazole;
- 4-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-1-phenyl-1H-pyrazole;
- 1-methyl-4-{2-[(2R)-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-imidazole;
- 4-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-thiazole;
- 2-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-1H-imidazole;
- 4-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-1H-benzoimidazole;
- 3-methyl-6-{(2R)-[2-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-pyridazine;
- 2-{2-[2-(2R)-methyl-pyrrolidin-1-yl-ethyl]-benzofuran-5-yl}-pyrazine;
- 5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-pyrimidine;
- 5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-pyridazin-4-ylamine;
- 5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-nicotinonitrile;
- 4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-indole;
- 4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-phthalonitrile;
- 5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-indan-1-one;
- 1-{2-[5-(5,6-dihydro-2H-pyran-3-yl)-benzofuran-2-yl]-ethyl}-(2R)-methyl-pyrrolidine;
- 1-[2-(5-cyclohept-1-enyl-benzofuran-2-yl)-ethyl]-2R)-methyl-pyrrolidine;
- (2R)-methyl-1-(2-{5-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-benzofuran-2-yl}-ethyl)-pyrrolidine;
- 4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-pyridine;
- 4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-pyridine;
- 1-{2-[2-(2R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-imidazole-4,5-dicarbonitrile;
- 4,5-dichloro-1-{2-[2-(2R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-imidazole;
- 1-{2-[2-(2R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-benzoimidazole;

3-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-3H-imidazo[4,5-c]pyridine;

(5-hydroxymethyl-3-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-3H-imidazol-4-yl)-methanol;

5 1-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-pyrrole;

1-(1-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-pyrrol-3-yl)-ethanone;

3-methyl-1-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-pyrrole;

10 1-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-3,4-bis-trifluoromethyl-1H-pyrrole;

1-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-pyrazole;

4-methyl-1-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-pyrazole;

1-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-pyrazole-4-carboxylic acid ethyl ester;

15 1-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-pyrazole-4-carbonitrile;

4-chloro-1-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-pyrazole;

and

20 3,5-dimethyl-1-{2-[2-(2(R)-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-1H-pyrazole.

22. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

25 L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃, R₄, R₅ and R₇ are hydrogen; and

30 R₆ is heterocycle selected from the group consisting of 1,2,4-oxadiazol-3-yl, 3-pyridinyl, 4-isoxazolyl, and 1H-imidazol-1-yl wherein the heterocycle is substituted with 0,

1, or 2 substituents selected from the group consisting of hydrogen, alkyl, haloalkyl, and hydroxyalkyl.

5 23. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

10 R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

15 R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is heterocycle;

L₃ is selected from the group consisting of a covalent bond and alkylene; and

R₂₂ is aryl.

20

24. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

25 P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl,

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(2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is heterocycle;

10 L₃ is selected from the group consisting of a covalent bond and alkylene; and
R₂₂ is aryl.

25. A compound according to claim 1 wherein

A is a covalent bond;

15 D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

20 R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is 1,2,4-oxadiazol-3-yl;

L₃ is selected from the group consisting of a covalent bond and alkylene; and

25 R₂₂ is phenyl substituted with 0, 1, 2, or 3 substituents selected from the group consisting of hydrogen, alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, alkylthio, carboxy, cyano, formyl, haloalkoxy, haloalkyl, halogen, hydroxyalkyl, oximyl, (NR_AR_B)carbonyl, and -NR_AR_B.

26. A compound according to claim 25 selected from the group consisting of

30 4-[3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1,2,4-oxadiazol-5-yl]benzonitrile;

5-(4-chlorophenyl)-3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1,2,4-oxadiazole;

5-(2-chlorophenyl)-3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1,2,4-oxadiazole;

5 5-(4-fluorobenzyl)-3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1,2,4-oxadiazole;

5-(4-methoxybenzyl)-3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1,2,4-oxadiazole;

10 3-{[3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1,2,4-oxadiazol-5-yl]methyl} benzonitrile;

3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-5-phenyl-1,2,4-oxadiazole;

5-(4-fluorophenyl)-3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1,2,4-oxadiazole; and

15 5-(3-chloro-4-fluorophenyl)-3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-1,2,4-oxadiazole.

27. A compound according to claim 1 wherein

A is a covalent bond;

20 D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

30 R₂₀ is 1,2,4-oxadiazol-3-yl;

L₃ is selected from the group consisting of a covalent bond and alkylene; and

R₂₂ is heterocycle.

28. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

5 L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

20 R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is 1,2,4-oxadiazol-3-yl;

L₃ is selected from the group consisting of a covalent bond and alkylene; and

R₂₂ is heterocycle.

25

29. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

30 P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is 1,2,4-oxadiazol-3-yl;

L₃ is selected from the group consisting of a covalent bond and alkylene; and

R₂₂ is 2-thienyl.

30. A compound according to claim 29 that is 3-(2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-yl)-5-(thien-2-ylmethyl)-1,2,4-oxadiazole.

31. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholiny, piperaziny, piperidiny, pyridiny, pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, pyrroly, 3,6-dihydro-1(2H)-pyridiny, thiomorpholiny, and 1,1-dioxidothiomorpholiny;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is aryl;

L₃ is C(=O); and

R₂₂ is cycloalkyl.

32. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-

205220 0021800
10081207 022502
5 (dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-yl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is aryl;

L₃ is C(=O); and

R₂₂ is cycloalkyl.

33. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is phenyl;

L₃ is C(=O); and

R₂₂ is cycloalkyl.

34. A compound according to claim 33 selected from the group consisting of

cyclopropyl[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]methanone; and

cyclopropyl[4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]methanone.

5

35. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

10

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

15

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is aryl;

L₃ is C(=O); and

R₂₂ is aryl.

20

36. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

25

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-

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dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is aryl;

L₃ is C(=O); and

R₂₂ is aryl.

37. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is phenyl;

L₃ is C(=O); and

R₂₂ is phenyl substituted with 0, 1, 2, or 3 substituents selected from the group consisting of hydrogen, alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, alkylthio, carboxy, cyano, formyl, haloalkoxy, haloalkyl, halogen, hydroxyalkyl, oximyl, (NR_AR_B)carbonyl, and-NR_AR_B.

38. A compound according to claim 37 that is (3-fluorophenyl)[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]methanone.

39. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

5 P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholiny, piperaziny, piperidiny, pyridiny, pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, pyrroly, 3,6-dihydro-1(2H)-pyridiny, thiomorpholiny, and 1,1-dioxidothiomorpholiny;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

R₂₀ is aryl;

L₃ is C(=O); and

R₂₂ is heterocycle.

40. A compound according to claim 1 wherein

A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidiny, (3R)-3-(dimethylamino)pyrrolidiny, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidiny, (3S)-3-hydroxy-1-pyrrolidiny, (2S)-2-(hydroxymethyl)pyrrolidiny, (2R)-2-(hydroxymethyl)pyrrolidiny, (cis)-2,6-dimethylpiperidiny, 4-methyl-1-piperidiny, 2-methyl-1-piperidiny, 1-piperidiny, (2R,5R)-2,5-dimethylpyrrolidiny, (cis)-2,5-dimethylpyrrolidiny, 1-pyrrolidiny, 2-methyl-1-pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, (2S)-2-methyl-1-pyrrolidiny, (2R)-2-methyl-5-oxo-1-pyrrolidiny, (2S)-2-methyl-5-oxo-1-pyrrolidiny, 3,6-dihydro-1(2H)-pyridiny, (2S)-2-(methoxycarbonyl)-1-pyrrolidiny, (2R)-2-(methoxycarbonyl)-1-pyrrolidiny, (2S)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-ethyl-1-pyrrolidiny, 2,2-dimethyl-1-pyrrolidiny, (2S)-

2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

5 R₂₀ is aryl;

L₃ is C(=O); and

R₂₂ is heterocycle.

41. A compound according to claim 1 wherein

10 A is a covalent bond;

D is O;

L is -CH₂CH₂-;

P and Q taken together form a covalent bond;

15 R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃, R₄, R₅ and R₇ are hydrogen;

R₆ is -R₂₀L₃R₂₂;

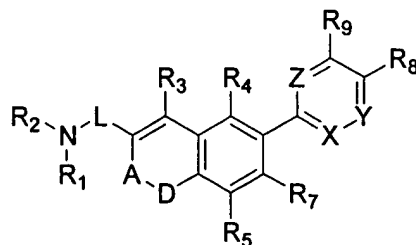
R₂₀ is phenyl;

L₃ is C(=O); and

20 R₂₂ is 2-thienyl.

42. A compound according to claim 41 that is [3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl](2-thienyl)methanone.

25 43. A compound according to claim 1 of formula (II)



(II),

or a pharmaceutical acceptable salt, ester, amide, or prodrug thereof, wherein

R₇ is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl;

R₈ is selected from the group consisting of hydrogen, alkylcarbonyl, arylcarbonyl, cyano, cycloalkylcarbonyl, heterocyclecarbonyl and (NR_AR_B)carbonyl;

R₉ is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl;

X is selected from the group consisting of CH, CR_X and N;

Y is selected from the group consisting of CH, CR_Y and N;

Z is selected from the group consisting of CH, CR_Z and N; and

R_X, R_Y and R_Z are each independently selected from the group consisting of alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl.

44. A compound according to claim 43 wherein A is a covalent bond.

45. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is cyano.

46. A compound according to claim 43 wherein

A is a covalent bond;

L is -CH₂CH₂-;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₃, R₄, R₅, R₇ and R₉ are hydrogen;

R₈ is cyano;

X is CH;

Y is CH; and

Z is CH.

47. A compound according to claim 46 selected from the group consisting of:

4-{2-[2-(diethylamino)ethyl]-1-benzofuran-5-yl}benzonitrile;

4-(2-{2-[tert-butyl(methyl)amino]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[isopropyl(methyl)amino]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[isobutyl(methyl)amino]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[ethyl(isopropyl)amino]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[ethyl(propyl)amino]ethyl}-1-benzofuran-5-yl)benzonitrile; and

4-[2-(2-aminoethyl)-1-benzofuran-5-yl]benzonitrile.

48. A compound according to claim 43 wherein

A is a covalent bond ;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₈ is cyano;

X is N;

Y is CH; and

Z is CH.

49. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is heterocyclecarbonyl.

50. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

5 R₈ is heterocyclecarbonyl wherein the heterocycle is selected from the group consisting of azetidiny, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl.

10 51. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

15 R₈ is heterocyclecarbonyl wherein the heterocycle is selected from the group consisting of 1-azetidiny, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.

20 52. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is 4-morpholinyl.

25 53. A compound according to claim 43 wherein

L is -CH₂CH₂-;

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

30 R₃, R₄, R₅, R₇ and R₉ are hydrogen;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is 4-morpholinyl;

X is CH;
Y is CH; and
Z is CH.

- 5 54. A compound according to claim 53 selected from the group consisting of:
N,N-diethyl-N-(2-{5-[4-(4-morpholinylcarbonyl)phenyl]-1-benzofuran-2-
yl}ethyl)amine;
N-(tert-butyl)-N-methyl-N-(2-{5-[4-(4-morpholinylcarbonyl)phenyl]-1-benzofuran-2-
yl}ethyl)amine;
10 N-isopropyl-N-methyl-N-(2-{5-[4-(4-morpholinylcarbonyl)phenyl]-1-benzofuran-2-
yl}ethyl)amine;
N-isobutyl-N-methyl-N-(2-{5-[4-(4-morpholinylcarbonyl)phenyl]-1-benzofuran-2-
yl}ethyl)amine;
N-ethyl-N-isopropyl-N-(2-{5-[4-(4-morpholinylcarbonyl)phenyl]-1-benzofuran-2-
15 yl}ethyl)amine;
N,N-dimethyl-N-(2-{5-[4-(4-morpholinylcarbonyl)phenyl]-1-benzofuran-2-
yl}ethyl)amine; and
N-ethyl-N-(2-{5-[4-(4-morpholinylcarbonyl)phenyl]-1-benzofuran-2-yl}ethyl)-N-
propylamine.

- 20 55. A compound according to claim 43 wherein
A is a covalent bond;
R₁ and R₂ are each independently selected from the group consisting of hydrogen,
alkyl, hydroxyalkyl, alkenyl and alkynyl;
25 R₈ is heterocyclecarbonyl;
X is N;
Y is CH; and
Z is CH.

- 30 56. A compound according to claim 43 wherein
A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is selected from the group consisting of azetidiny, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl.;

X is N;

Y is CH; and

Z is CH.

10

57. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

15

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is selected from the group consisting of 1-azetidiny, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl;

X is N;

20

Y is CH; and

Z is CH.

58. A compound according to claim 43 wherein

A is a covalent bond;

25

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is 4-morpholinyl;

X is N;

30

Y is CH; and

Z is CH.

59. A compound according to claim 43 wherein

L is -CH₂CH₂-;

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen,
alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₃, R₄, R₅, R₇ and R₉ are hydrogen;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is 4-
morpholinyl;

X is N;

Y is CH; and

Z is CH.

60. A compound according to claim 59 selected from the group consisting of:

4-[(6-{2-[2-(N,N-diethyl)ethyl]-1-benzofuran-5-yl}-3-pyridinyl)carbonyl]morpholine;

N-(tert-butyl)-N-methyl-N-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-
benzofuran-2-yl}ethyl)amine;

N-isobutyl-N-methyl-N-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-
2-yl}ethyl)amine;

N-isopropyl-N-methyl-N-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-
benzofuran-2-yl}ethyl)amine;

N-ethyl-N-isopropyl-N-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-
2-yl}ethyl)amine;

N,N-dimethyl-N-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-
yl}ethyl)amine;

N-ethyl-N-propyl-N-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-
yl}ethyl)amine;

N-allyl-N-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-
yl}ethyl)amine;

3-[(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-yl}ethyl)amino]-1-
propanol; and

N-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-yl}ethyl)-N-
propylamine.

61. A compound according to claim 43 wherein

A is a covalent bond; and

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together
5 form a heterocycle.

62. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together
10 form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl,
morpholinyl, piperazinyl, piperidiny, pyridiny, pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny,
2,5-dihydro-1H-pyrroly, pyrroly, 3,6-dihydro-1(2H)-pyridiny, thiomorpholinyl, and 1,1-
dioxidothiomorpholinyl; and

R₈ is cyano.

63. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together
form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-
20 (dimethylamino)pyrrolidiny, (3R)-3-(dimethylamino)pyrrolidiny, 1H-imidazol-1-yl, (3R)-3-
hydroxy-1-pyrrolidiny, (3S)-3-hydroxy-1-pyrrolidiny, (2S)-2-(hydroxymethyl)pyrrolidiny,
(2R)-2-(hydroxymethyl)pyrrolidiny, (cis)-2,6-dimethylpiperidiny, 4-methyl-1-piperidiny,
2-methyl-1-piperidiny, 1-piperidiny, (2R,5R)-2,5-dimethylpyrrolidiny, (cis)-2,5-
dimethylpyrrolidiny, 1-pyrrolidiny, 2-methyl-1-pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny,
25 (2S)-2-methyl-1-pyrrolidiny, (2R)-2-methyl-5-oxo-1-pyrrolidiny, (2S)-2-methyl-5-oxo-1-
pyrrolidiny, 3,6-dihydro-1(2H)-pyridiny, (2S)-2-(methoxycarbonyl)-1-pyrrolidiny, (2R)-2-
(methoxycarbonyl)-1-pyrrolidiny, (2S)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-
(fluoromethyl)-1-pyrrolidiny, (2R)-2-ethyl-1-pyrrolidiny, 2,2-dimethyl-1-pyrrolidiny, (2S)-
2-ethyl-1-pyrrolidiny 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-
30 azaspiro[4.5]dec-8-yl; and

R₈ is cyano.

64. A compound according to claim 43 wherein

L is alkyl;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholiny, piperaziny, piperidiny, pyridiny, pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, pyrroly, 3,6-dihydro-1(2H)-pyridiny, thiomorpholiny, and 1,1-dioxidothiomorpholiny;

R₃, R₄, R₅, and R₇ are independently selected from the group consisting of hydrogen, alkyl, alkylcarbonyl, and halogen;

R₈ and R₉ are independently selected from the group consisting of hydrogen, alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, carboxy, cyano, formyl, halogen, haloalkyl, haloalkoxy, hydroxyalkyl, and oximyl;

X is selected from the group consisting of CH and CR_X;

Y is selected from the group consisting of CH and CR_Y;

Z is selected from the group consisting of CH and CR_Z; and

R_X, R_Y, and R_Z are independently selected from the group consisting of alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, carboxy, cyano, formyl, halogen, haloalkyl, haloalkoxy, hydroxyalkyl, and oximyl.

65. A compound according to claim 43 wherein

L is alkyl;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidiny, (3R)-3-(dimethylamino)pyrrolidiny, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidiny, (3S)-3-hydroxy-1-pyrrolidiny, (2S)-2-(hydroxymethyl)pyrrolidiny, (2R)-2-(hydroxymethyl)pyrrolidiny, (cis)-2,6-dimethylpiperidiny, 4-methyl-1-piperidiny, 2-methyl-1-piperidiny, 1-piperidiny, (2R,5R)-2,5-dimethylpyrrolidiny, (cis)-2,5-dimethylpyrrolidiny, 1-pyrrolidiny, 2-methyl-1-pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, (2S)-2-methyl-1-pyrrolidiny, (2R)-2-methyl-5-oxo-1-pyrrolidiny, (2S)-2-methyl-5-oxo-1-pyrrolidiny, 3,6-dihydro-1(2H)-pyridiny, (2S)-2-(methoxycarbonyl)-1-pyrrolidiny, (2R)-2-

(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

5 R₃, R₄, R₅, and R₇ are independently selected from the group consisting of hydrogen, alkyl, alkylcarbonyl, and halogen;

 R₈ and R₉ are independently selected from the group consisting of hydrogen, alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, carboxy, cyano, formyl, halogen, haloalkyl, haloalkoxy, hydroxyalkyl, and oximyl;

10 X is selected from the group consisting of CH and CR_X;

 Y is selected from the group consisting of CH and CR_Y;

 Z is selected from the group consisting of CH and CR_Z; and

 R_X, R_Y, and R_Z are independently selected from the group consisting of alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, carboxy, cyano, formyl, halogen, haloalkyl, haloalkoxy, hydroxyalkyl, and oximyl.

66. A compound according to claim 65 selected from the group consisting of:

4-{2-[2-(1-pyrrolidinyl)ethyl]-1-benzofuran-5-yl}benzonitrile;

4-{2-[2-(1-piperidinyl)ethyl]-1-benzofuran-5-yl}benzonitrile;

20 4-{2-[2-(2-methyl-1-piperidinyl)ethyl]-1-benzofuran-5-yl}benzonitrile;

4-(2-{2-[(3R)-3-hydroxypyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-{2-[2-(1H-imidazol-1-yl)ethyl]-1-benzofuran-5-yl}benzonitrile;

4-(2-{2-[(3S)-3-(dimethylamino)pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[(2S)-2-(hydroxymethyl)pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

25 4-(2-{2-[(cis)-2,6-dimethylpiperidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-{2-[2-(1-azepanyl)ethyl]-1-benzofuran-5-yl}benzonitrile;

4-{2-[2-(4-methyl-1-piperidinyl)ethyl]-1-benzofuran-5-yl}benzonitrile;

4-(2-{2-[2-pyrrolidine methyl carboxylate]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-{2-[2-(3,6-dihydro-1(2H)-pyridinyl)ethyl]-1-benzofuran-5-yl}benzonitrile;

30 4-(2-{2-[(2R)-2-(hydroxymethyl)pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[(3R)-(dimethylamino)pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[1-(2S)-2-methylpyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[1-(2-methylpyrrolidinyl)ethyl]-1-benzofuran-5-yl}benzonitrile;
 4-(3-bromo-2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-
 yl)benzonitrile;
 2-methyl-4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-
 5 yl)benzonitrile;
 3-methyl-4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-
 yl)benzonitrile;
 4-(6-methyl-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-
 yl)benzonitrile;
 10 4-(4-methyl-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-
 yl)benzonitrile;
 4-(7-methyl-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-
 yl)benzonitrile;
 4-(7-fluoro-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-
 15 yl)benzonitrile;
 2-fluoro-4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-
 yl)benzonitrile;
 3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;
 (2R)-1-{2-[5-(4-fluorophenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine;
 20 (2R)-1-{2-[5-(3,4-dichlorophenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine;
 (2R)-2-methyl-1-{2-[5-(2-methylphenyl)-1-benzofuran-2-yl]ethyl}pyrrolidine;
 (2R)-2-methyl-1-{2-[5-(3-methylphenyl)-1-benzofuran-2-yl]ethyl}pyrrolidine;
 (2R)-2-methyl-1-{2-[5-(4-methylphenyl)-1-benzofuran-2-yl]ethyl}pyrrolidine;
 4-{2-[2-(2-methylpyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-benzoic acid methyl ester;
 25 (2R)-1-{2-[5-(2-methoxyphenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine;
 (2R)-1-{2-[5-(3-methoxyphenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine;
 (2R)-1-{2-[5-(4-methoxyphenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine;
 (2R)-1-{2-[5-(3-fluorophenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine;
 (2R)-1-{2-[5-(2-chlorophenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine;
 30 (2R)-1-{2-[5-(3-chlorophenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine;
 1-{2-[5-(4-chlorophenyl)-benzofuran-2-yl]-ethyl}-2-methylpyrrolidine;

(2R)-2-methyl-1-(2-{5-[3-(trifluoromethyl)phenyl]-1-benzofuran-2-yl}ethyl)pyrrolidine;

(2R)-2-methyl-1-(2-{5-[4-(trifluoromethyl)phenyl]-1-benzofuran-2-yl}ethyl)pyrrolidine;

5 (2R)-2-methyl-1-(2-{5-[3-(trifluoromethoxy)phenyl]-1-benzofuran-2-yl}ethyl)pyrrolidine;

(2R)-2-methyl-1-(2-{5-[4-(trifluoromethoxy)phenyl]-1-benzofuran-2-yl}ethyl)pyrrolidine;

10 (2R)-1-{2-[5-(3,4-dimethylphenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine;
(2R)-1-{2-[5-(3,5-dichlorophenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine;
(2R)-1-{2-[5-(3,5-dimethylphenyl)-1-benzofuran-2-yl]ethyl}-2-methylpyrrolidine;
[4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]methanol;
1-[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]ethanone;
1-[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]ethanol;
15 2-[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]-2-propanol;

1-[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]ethanone oxime;

20 1-[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]ethanone O-methyloxime;

1-[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]ethanone O-ethyloxime;

1-[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]ethanone O-(tert-butyl)oxime;

25 ethyl 3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzoate;

3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzoic acid;

N-methoxy-N-methyl-3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzamide;

30 1-[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]-1-propanone;

3-methyl-1-[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]-1-butanone;

3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzaldehyde;
 [3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]methanol;
 4-(3-bromo-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)-2-
 methylbenzonitrile;
 5 4-(3-chloro-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-
 yl)benzonitrile;
 4-(3,6-dichloro-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-
 yl)benzonitrile;
 4-(3-iodo-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;
 10 4-(2-{2-[(2R)-2-methyl-5-oxo-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;
 4-(3-acetyl-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-
 yl)benzonitrile;
 4-(2-{2-[(2R)-2-ethyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;
 4-(2-{2-[(2S)-2-(fluoromethyl)-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;
 15 4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzothien-5-yl)benzonitrile;
 3-(2-{3-[(2R)-2-methyl-1-pyrrolidinyl]propyl}-1-benzofuran-5-yl)benzonitrile;
 3-(2-{[(2R)-2-methyl-1-pyrrolidinyl]methyl}-1-benzofuran-5-yl)benzonitrile; and
 3-(2-{4-[(2R)-2-methyl-1-pyrrolidinyl]butyl}-1-benzofuran-5-yl)benzonitrile;

- 20 67. A compound according to claim 43 wherein
 A is a covalent bond;
 L is -CH₂CH₂-;
 R₁ and R₂ taken together with the nitrogen atom to which they are attached, together
 form a heterocycle substituted with 0, 1 or 2 substituents selected from alkyl;
 25 R₃, R₄, R₅, R₇, and R₉ are hydrogen;
 R₈ is cyano;
 X is CH;
 Y is CH; and
 Z is CH.

- 30 68. A compound according to claim 67 selected from the group consisting of
 4-(2-{2-[(2S)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;
 4-(2-{2-[(2S)-2-ethyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;
 4-(2-{2-[(2R)-2-ethyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;
 4-(2-{2-[2-ethyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;
 4-(2-{2-[(2R,5R)-2,5-dimethylpyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;
 4-(2-{2-[(2S,5S)-2,5-dimethylpyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;
 4-(2-{2-[(trans)-2,5-dimethylpyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile; and
 3-(2-{2-[(2S)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile.

69. A compound according to claim 67 that is 4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile.

70. A compound according to claim 43 wherein

L is -CH₂CH₂-;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃ is heterocycle;

R₄, R₅, R₇ and R₉ are hydrogen;

R₈ is cyano;

X is CH;

Y is CH; and

Z is CH.

71. A compound according to claim 43 wherein

L is -CH₂CH₂-;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-

(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

R₃ is heterocycle;

R₄, R₅, R₇ and R₉ are hydrogen;

R₈ is cyano;

X is CH;

Y is CH; and

Z is CH.

72. A compound according to claim 43 wherein

L is -CH₂CH₂-;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle (2R)-2-methyl-1-pyrrolidinyl;

R₃ is a heterocycle selected from the group consisting of 2-furyl, 3-pyridinyl, and 2-thienyl wherein the heterocycle is substituted with 0, 1, or 2 substituents selected from the group consisting of hydrogen, alkoxy, alkyl, alkoxycarbonyl, alkylcarbonyl, carboxy, cyano, formyl, halogen, haloalkyl, haloalkoxy, hydroxyalkyl, and oximyl;

R₄, R₅, R₇ and R₉ are hydrogen;

R₈ is cyano;

X is CH;

Y is CH; and

Z is CH.

73. A compound according to claim 72 selected from the group consisting of
4-(3-(2-furyl)-2-{2-[(2R)-2-methylpyrrolidin-1-yl]ethyl}-1-benzofuran-5-
yl)benzonitrile;
5 4-[2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-3-(3-pyridinyl)-1-benzofuran-5-
yl]benzonitrile;
4-[2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-3-(3-thienyl)-1-benzofuran-5-
yl]benzonitrile; and
4-(3-(2-formyl-3-thienyl)-2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-
10 yl)benzonitrile.

74. A compound according to claim 43 wherein
A is a covalent bond;
R₁ and R₂ taken together with the nitrogen atom to which they are attached, together
15 form a heterocycle;
R₈ is cyano;
X is N;
Y is CH; and
Z is CH.

75. A compound according to claim 43 wherein
A is a covalent bond;
R₁ and R₂ taken together with the nitrogen atom to which they are attached, together
form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl,
25 morpholiny, piperaziny, piperidiny, pyridiny, pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny,
2,5-dihydro-1H-pyrroly, pyrroly, 3,6-dihydro-1(2H)-pyridiny, thiomorpholiny, and 1,1-
dioxidothiomorpholiny;
R₈ is cyano;
X is N;
30 Y is CH; and
Z is CH.

76. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

R₃ is cyano;

X is N;

Y is CH₃; and

Z is CH₃.

77. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle; and

R₃ is heterocyclecarbonyl.

78. A compound according to claim 43 wherein

A is a covalent bond ;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl,

2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl; and

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of azetidiny, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl.

79. A compound according to claim 43 wherein

A is a covalent bond ;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl; and

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidiny, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.

80. A compound according to claim 43 wherein

A is a covalent bond ;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-

2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-yl; and

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of azetidiny, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl.

81. A compound according to claim 43 wherein

A is a covalent bond ;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-yl; and

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidiny, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.

82. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl,

2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl; and

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4-morpholinyl.

5

83. A compound according to claim 43 wherein

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl; and

10
15
20

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4-morpholinyl.

84. A compound according to claim 43 wherein

25 L is -CH₂CH₂-;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

30

R₃, R₄, R₅, R₇ and R₉ are hydrogen;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4-morpholinyl;

X is CH;

Y is CH; and

Z is CH.

85. A compound according to claim 43 wherein

L is -CH₂CH₂-;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

R₃, R₄, R₅, R₇ and R₉ are hydrogen;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4-morpholinyl;

X is CH;

Y is CH; and

Z is CH.

86. A compound according to claim 85 selected from the group consisting of:

4-(4-{2-[2-(2-methyl-1-pyrrolidinyl)ethyl]-1-benzofuran-5-yl}benzoyl)morpholine;

4-(4-{2-[2-(1-piperidinyl)ethyl]-1-benzofuran-5-yl}benzoyl)morpholine;

4-(4-{2-[2-(2-methyl-1-piperidinyl)ethyl]-1-benzofuran-5-yl}benzoyl)morpholine;
 (3R)-1-(2-{5-[4-(4-morpholinylcarbonyl)phenyl]-1-benzofuran-2-yl}ethyl)-3-
 pyrrolidinol;
 4-[4-(2-{2-[(2R,5R)-2,5-dimethylpyrrolidinyl]ethyl}-1-benzofuran-5-
 5 yl)benzoyl)morpholine;
 4-[4-(2-{2-[(cis)-2,6-dimethylpiperidinyl]ethyl}-1-benzofuran-5-
 yl)benzoyl)morpholine;
 4-(4-{2-[2-(azepinyl)ethyl]-1-benzofuran-5-yl}benzoyl)morpholine;
 4-(4-{2-[2-(4-methyl-1-piperidinyl)ethyl]-1-benzofuran-5-yl}benzoyl)morpholine;
 10 4-(4-{2-[2-(4-morpholine)ethyl]-1-benzofuran-5-yl}benzoyl)morpholine;
 4-(4-{2-[2-(3,6-dihydro-1(2H)-pyridinyl)ethyl]-1-benzofuran-5-
 yl}benzoyl)morpholine; and
 4-(4-{2-[2-(2S)-pyrrolidinylmethanol)ethyl]-1-benzofuran-5-yl}benzoyl)morpholine.

15 87. A compound according to claim 43 wherein
 A is a covalent bond;
 R₁ and R₂ taken together with the nitrogen atom to which they are attached, together
 form a heterocycle;
 R₈ is heterocyclecarbonyl;
 20 X is N;
 Y is CH; and
 Z is CH.

88. A compound according to claim 43 wherein
 25 L is -CH₂CH₂-;
 A is a covalent bond ;
 R₁ and R₂ taken together with the nitrogen atom to which they are attached, together
 form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl,
 morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl,
 30 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-
 dioxidothiomorpholinyl;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of azetidiny, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

5 X is N;
 Y is CH; and
 Z is CH.

89. A compound according to claim 43 wherein

10 L is -CH₂CH₂-;
 A is a covalent bond ;

 R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

15 R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidiny, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl;

20 X is N;
 Y is CH; and
 Z is CH.

25 90. A compound according to claim 43 wherein

 L is -CH₂CH₂-;
 A is a covalent bond ;

 R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl,

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2-methyl-1-piperidiny, 1-piperidiny, (2R,5R)-2,5-dimethylpyrrolidiny, (cis)-2,5-dimethylpyrrolidiny, 1-pyrrolidiny, 2-methyl-1-pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, (2S)-2-methyl-1-pyrrolidiny, (2R)-2-methyl-5-oxo-1-pyrrolidiny, (2S)-2-methyl-5-oxo-1-pyrrolidiny, 3,6-dihydro-1(2H)-pyridiny, (2S)-2-(methoxycarbonyl)-1-pyrrolidiny, (2R)-2-(methoxycarbonyl)-1-pyrrolidiny, (2S)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-ethyl-1-pyrrolidiny, 2,2-dimethyl-1-pyrrolidiny, (2S)-2-ethyl-1-pyrrolidiny 4-morpholiny, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-yl;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidiny, 4-morpholiny, 1-piperaziny, 1-piperidiny, 3-pyridiny, 1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, 1-pyrroly, 3,6-dihydro-1(2H)-pyridiny, 4-thiomorpholiny, and 1,1-dioxidothiomorpholin-4-yl.;

X is N;

Y is CH; and

Z is CH.

91. A compound according to claim 43 wherein

L is -CH₂CH₂-;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepany, azetidiny, imadazolyl, morpholiny, piperaziny, piperidiny, pyridiny, pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, pyrroly, 3,6-dihydro-1(2H)-pyridiny, thiomorpholiny, and 1,1-dioxidothiomorpholiny;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4-morpholiny;

X is N;

Y is CH; and

Z is CH.

92. A compound according to claim 43 wherein

L is -CH₂CH₂-;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4-morpholinyl;

X is N;

Y is CH; and

Z is CH.

93. A compound according to claim 43 wherein

L is -CH₂CH₂-;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃, R₄, R₅, R₇ and R₉ are hydrogen;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4-morpholinyl;

X is N;

Y is CH; and

Z is CH.

94. A compound according to claim 43 wherein

5 L is -CH₂CH₂-;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together
form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-
(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-
10 hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl,
(2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl,
2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-
dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl,
(2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-
15 pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-
(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-
(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-
2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-
azaspiro[4.5]dec-8-yl;

20 R₃, R₄, R₅, R₇ and R₉ are hydrogen;

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is 4-
morpholinyl;

X is N;

Y is CH; and

25 Z is CH.

95. A compound according to claim 94 selected from the group consisting of:

4-[(6-{2-[2-(1-pyrrolidinyl)ethyl]-1-benzofuran-5-yl}-3-
pyridinyl)carbonyl]morpholine;
30 4-{[6-(2-{2-[(2R)-methylpyrrolidinyl]ethyl}-1-benzofuran-5-yl)-3-
pyridinyl]carbonyl}morpholine;

4-[(6-{2-[2-(1-piperidinyl)ethyl]-1-benzofuran-5-yl}-3-pyridinyl)carbonyl]morpholine;

(3R)-1-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-yl}ethyl)-3-pyrrolidinol;

5 4-{[6-(2-{2-[(2R,5R)-2,5-dimethylpyrrolidinyl]ethyl}-1-benzofuran-5-yl)-3-pyridinyl]carbonyl}morpholine;

4-{[6-(2-{2-[(cis)-2,6-dimethylpiperidinyl]ethyl}-1-benzofuran-5-yl)-3-pyridinyl]carbonyl}morpholine;

4-{[6-(2-{2-[1-azepanyl]ethyl}-1-benzofuran-5-yl)-3-pyridinyl]carbonyl}morpholine;

10 4-[(6-{2-[2-(4-methyl-1-piperidinyl)ethyl]-1-benzofuran-5-yl}-3-pyridinyl)carbonyl]morpholine;

4-[(6-{2-[2-(4-morpholinyl)ethyl]-1-benzofuran-5-yl}-3-pyridinyl)carbonyl]morpholine;

15 8-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-yl}ethyl)-1,4-dioxo-8-azaspiro[4.5]decane;

5-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-yl}ethyl)-2-oxa-5-azabicyclo[2.2.1]heptane; and

(2S)-1-(2-{5-[5-(4-morpholinylcarbonyl)-2-pyridinyl]-1-benzofuran-2-yl}ethyl)-2-pyrrolidinol.

20 96. A compound according to claim 43 wherein
A is carbonyl;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

25 R₈ is selected from the group consisting of cyano and heterocyclecarbonyl.

97. A compound according to claim 43 wherein
A is carbonyl;

30 R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of azetidyl,

morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl.

98. A compound according to claim 43 wherein

5 A is carbonyl;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

10 R₃ is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidiny, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.

99. A compound according to claim 43 wherein

15 A is carbonyl;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle; and

R₃ is selected from the group consisting of cyano and heterocyclecarbonyl.

20 100. A compound according to claim 43 wherein

A is carbonyl;

25 R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl; and

30 R₃ is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of azetidiny, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl.

101. A compound according to claim 43 wherein

A is carbonyl;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholiny, piperaziny, piperidiny, pyridiny, pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, pyrroly, 3,6-dihydro-1(2H)-pyridiny, thiomorpholiny, and 1,1-dioxidothiomorpholiny; and

R₈ is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidiny, 4-morpholiny, 1-piperaziny, 1-piperidiny, 3-pyridiny, 1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, 1-pyrroly, 3,6-dihydro-1(2H)-pyridiny, 4-thiomorpholiny, and 1,1-dioxidothiomorpholin-4-yl.

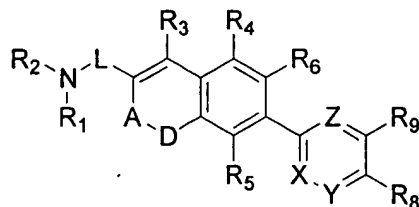
102. A compound according to claim 43 wherein

A is carbonyl;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidiny, (3R)-3-(dimethylamino)pyrrolidiny, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidiny, (3S)-3-hydroxy-1-pyrrolidiny, (2S)-2-(hydroxymethyl)pyrrolidiny, (2R)-2-(hydroxymethyl)pyrrolidiny, (cis)-2,6-dimethylpiperidiny, 4-methyl-1-piperidiny, 2-methyl-1-piperidiny, 1-piperidiny, (2R,5R)-2,5-dimethylpyrrolidiny, (cis)-2,5-dimethylpyrrolidiny, 1-pyrrolidiny, 2-methyl-1-pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, (2S)-2-methyl-1-pyrrolidiny, (2R)-2-methyl-5-oxo-1-pyrrolidiny, (2S)-2-methyl-5-oxo-1-pyrrolidiny, 3,6-dihydro-1(2H)-pyridiny, (2S)-2-(methoxycarbonyl)-1-pyrrolidiny, (2R)-2-(methoxycarbonyl)-1-pyrrolidiny, (2S)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-ethyl-1-pyrrolidiny, 2,2-dimethyl-1-pyrrolidiny, (2S)-2-ethyl-1-pyrrolidiny 4-morpholiny, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-yl; and

R₈ is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidiny, 4-morpholiny, 1-piperaziny, 1-piperidiny, 3-pyridiny, 1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, 1-pyrroly, 3,6-dihydro-1(2H)-pyridiny, 4-thiomorpholiny, and 1,1-dioxidothiomorpholin-4-yl.

103. A compound according to claim 1 of formula (III)



(III),

5 or a pharmaceutical acceptable salt, ester, amide, or prodrug thereof, wherein

R₆ is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl;

R₈ is selected from the group consisting of hydrogen, alkylcarbonyl, arylcarbonyl, cyano, cycloalkylcarbonyl, heterocyclecarbonyl and (NR_AR_B)carbonyl;

R₉ is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl;

X is selected from the group consisting of CH, CR_X and N;

Y is selected from the group consisting of CH, CR_Y and N;

20 Z is selected from the group consisting of CH, CR_Z and N; and

R_X, R_Y and R_Z are each independently selected from the group consisting of alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl.

104. A compound according to claim 103 wherein A is a covalent bond.

105. A compound according to claim 103 wherein

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is selected from the group consisting of cyano and heterocyclecarbonyl.

5

106. A compound according to claim 103 wherein

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

10 R₈ is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of azetidiny, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl.

15

107. A compound according to claim 103 wherein

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

20

R₈ is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidiny, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.

25

108. A compound according to claim 103 wherein

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle; and

R₈ is selected from the group consisting of cyano and heterocyclecarbonyl.

30

109. A compound according to claim 103 wherein

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholiny, piperaziny, piperidiny, pyridiny, pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, pyrroly, 3,6-dihydro-1(2H)-pyridiny, thiomorpholiny, and 1,1-dioxidothiomorpholiny; and

R₈ is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidiny, 4-morpholiny, 1-piperaziny, 1-piperidiny, 3-pyridiny, 1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, 1-pyrroly, 3,6-dihydro-1(2H)-pyridiny, 4-thiomorpholiny, and 1,1-dioxidothiomorpholin-4-yl.

110. A compound according to claim 103 wherein

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidiny, (3R)-3-(dimethylamino)pyrrolidiny, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidiny, (3S)-3-hydroxy-1-pyrrolidiny, (2S)-2-(hydroxymethyl)pyrrolidiny, (2R)-2-(hydroxymethyl)pyrrolidiny, (cis)-2,6-dimethylpiperidiny, 4-methyl-1-piperidiny, 2-methyl-1-piperidiny, 1-piperidiny, (2R,5R)-2,5-dimethylpyrrolidiny, (cis)-2,5-dimethylpyrrolidiny, 1-pyrrolidiny, 2-methyl-1-pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, (2S)-2-methyl-1-pyrrolidiny, (2R)-2-methyl-5-oxo-1-pyrrolidiny, (2S)-2-methyl-5-oxo-1-pyrrolidiny, 3,6-dihydro-1(2H)-pyridiny, (2S)-2-(methoxycarbonyl)-1-pyrrolidiny, (2R)-2-(methoxycarbonyl)-1-pyrrolidiny, (2S)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-ethyl-1-pyrrolidiny, 2,2-dimethyl-1-pyrrolidiny, (2S)-2-ethyl-1-pyrrolidiny 4-morpholiny, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl; and

R₈ is selected from the group consisting of cyano and heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidiny, 4-morpholiny, 1-piperaziny, 1-piperidiny, 3-pyridiny, 1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, 1-pyrroly, 3,6-dihydro-1(2H)-pyridiny, 4-thiomorpholiny, and 1,1-dioxidothiomorpholin-4-yl.

111. A compound according to claim 110 that is 4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-6-yl)benzonitrile.

112. A compound according to claim 103 wherein A is carbonyl.

113. A compound according to claim 103 wherein

A is carbonyl;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is cyano.

114. A compound according to claim 103 wherein

L is -CH₂CH₂-;

A is carbonyl;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₃ is methyl;

R₄, R₅, R₆ and R₉ are hydrogen;

R₈ is cyano;

X is CH;

Y is CH; and

Z is CH.

115. A compound according to claim 114 that is 4-{3-[2-(diethylamino)ethyl]-4-methyl-2-oxo-2H-chromen-7-yl}benzonitrile.

116. A compound according to claim 103 wherein

A is carbonyl;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is heterocyclecarbonyl.

117. A compound according to claim 103 wherein

A is carbonyl;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocyclecarbonyl is selected from the group consisting of 1-azetidiny, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.

118. A compound according to claim 103 wherein

A is carbonyl;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle; and

R₈ is cyano.

119. A compound according to claim 103 wherein

A is carbonyl;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl; and

R₈ is cyano.

120. A compound according to claim 103 wherein

A is carbonyl;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-

dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl; and

R₈ is cyano.

121. A compound according to claim 103 wherein

L is -CH₂CH₂-;

A is carbonyl;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃ is methyl;

R₄, R₅, R₆ and R₉ are hydrogen;

R₈ is cyano;

X is CH;

Y is CH; and

Z is CH.

122. A compound according to claim 103 wherein

L is -CH₂CH₂-;

A is carbonyl;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-

(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl,

2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

R₃ is methyl;

R₄, R₅, R₆ and R₉ are hydrogen;

R₈ is cyano;

X is CH;

Y is CH; and

Z is CH.

123. A compound according to claim 122 selected from the group consisting of
4-{4-methyl-2-oxo-3-[2-(1-pyrrolidinyl)ethyl]-2H-chromen-7-yl}benzonitrile;
4-{4-methyl-2-oxo-3-[2-(1-piperidinyl)ethyl]-2H-chromen-7-yl}benzonitrile;
4-{4-methyl-2-oxo-3-[2-(2S)-methyl-1-pyrrolidinyl ethyl]-2H-chromen-6-yl}benzonitrile; and
4-{4-methyl-2-oxo-3-[2-(2R)-methyl-1-pyrrolidinyl ethyl]-2H-chromen-6-yl}benzonitrile.

124. A compound according to claim 103 wherein

A is carbonyl;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle; and

R₈ is heterocyclecarbonyl.

125. A compound according to claim 103 wherein

A is carbonyl;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl; and

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is selected from the group consisting of 1-azetidiny, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.

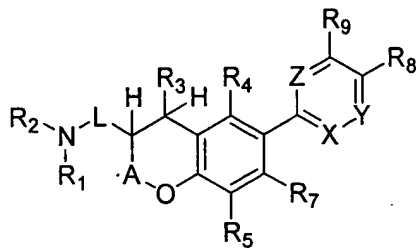
126. A compound according to claim 103 wherein

A is carbonyl;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, (2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl; and

R₈ is heterocyclecarbonyl wherein the heterocycle of heterocarbonyl is selected from the group consisting of 1-azetidiny, 4-morpholinyl, 1-piperazinyl, 1-piperidinyl, 3-pyridinyl, 1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, 1-pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, 4-thiomorpholinyl, and 1,1-dioxidothiomorpholin-4-yl.

127. A compound according to claim 1 of formula (IV)



(IV),

5 or a pharmaceutical acceptable salt, ester, amide, or prodrug thereof, wherein

R_7 is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, $-NR_AR_B$, (NR_AR_B) alkyl, (NR_AR_B) carbonyl and (NR_AR_B) sulfonyl;

R_8 is selected from the group consisting of hydrogen, alkylcarbonyl, arylcarbonyl, cyano, cycloalkylcarbonyl, heterocyclecarbonyl and (NR_AR_B) carbonyl;

R_9 is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, $-NR_AR_B$, (NR_AR_B) alkyl, (NR_AR_B) carbonyl and (NR_AR_B) sulfonyl;

X is selected from the group consisting of CH , CR_X and N ;

Y is selected from the group consisting of CH , CR_Y and N ;

Z is selected from the group consisting of CH , CR_Z and N ; and

R_X , R_Y and R_Z are each independently selected from the group consisting of alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, $-NR_AR_B$, (NR_AR_B) alkyl, (NR_AR_B) carbonyl and (NR_AR_B) sulfonyl.

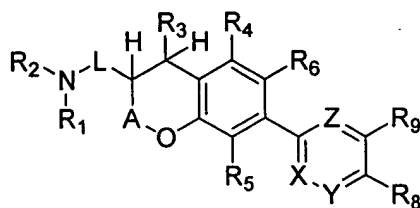
128. A compound according to claim 127 wherein A is a covalent bond.

129. A compound according to claim 127 wherein
 A is a covalent bond;
 R_1 and R_2 are each independently selected from the group consisting of hydrogen,
 alkyl, hydroxyalkyl, alkenyl and alkynyl; and
 R_8 is cyano.

130. A compound according to claim 127 wherein
 L is $-\text{CH}_2\text{CH}_2-$;
 A is a covalent bond ;
 R_1 and R_2 are each independently selected from the group consisting of hydrogen,
 alkyl, hydroxyalkyl, alkenyl and alkynyl;
 R_3 , R_4 , R_5 , R_7 and R_9 are hydrogen;
 R_8 is cyano;
 X is CH;
 Y is CH; and
 Z is CH.

131. A compound according to claim 130 that is 4-(2-{2-[(2R)-2-methylpyrrolidinyl]ethyl}-2,3-dihydro-1-benzofuran-5-yl)benzonitrile.

132. A compound according to claim 1 of formula (V)



(V),

or a pharmaceutical acceptable salt, ester, amide, or prodrug thereof, wherein

R_6 is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, $-\text{NR}_A\text{R}_B$, $(\text{NR}_A\text{R}_B)\text{alkyl}$, $(\text{NR}_A\text{R}_B)\text{carbonyl}$ and $(\text{NR}_A\text{R}_B)\text{sulfonyl}$;

R₈ is selected from the group consisting of hydrogen, alkylcarbonyl, arylcarbonyl, cyano, cycloalkylcarbonyl, heterocyclecarbonyl and (NR_AR_B)carbonyl;

R₉ is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl;

X is selected from the group consisting of CH, CR_X and N;

Y is selected from the group consisting of CH, CR_Y and N;

Z is selected from the group consisting of CH, CR_Z and N; and

R_X, R_Y and R_Z are each independently selected from the group consisting of alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl.

133. A compound according to claim 132 wherein A is a covalent bond.

134. A compound according to claim 132 wherein

A is a covalent bond;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl; and

R₈ is cyano.

135. A compound according to claim 132 wherein

L is -CH₂CH₂-;

A is a covalent bond ;

R₁ and R₂ are each independently selected from the group consisting of hydrogen, alkyl, hydroxyalkyl, alkenyl and alkynyl;

R₃, R₄, R₅, R₆ and R₉ are hydrogen;

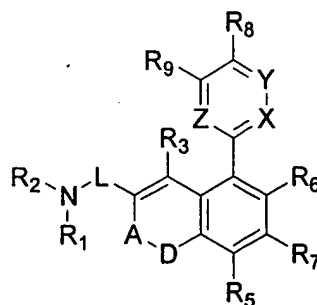
R₈ is cyano;

X is CH;

Y is CH; and

Z is CH.

136. A compound according to claim 1 of formula (VI)



(VI),

or a pharmaceutical acceptable salt, ester, amide, or prodrug thereof, wherein

R₅, R₆, and R₇ are independently selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl;

R₈ is selected from the group consisting of hydrogen, alkylcarbonyl, arylcarbonyl, cyano, cycloalkylcarbonyl, heterocyclecarbonyl and (NR_AR_B)carbonyl;

R₉ is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl;

X is selected from the group consisting of CH, CR_X and N;

Y is selected from the group consisting of CH, CR_Y and N;

Z is selected from the group consisting of CH, CR_Z and N; and

R_X, R_Y and R_Z are each independently selected from the group consisting of alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl.

137. A compound according to claim 136 wherein A is a covalent bond.

138. A compound according to claim 136 wherein

5 A is a covalent bond; and

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle.

139. A compound according to claim 136 wherein

10 A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholiny, piperaziny, piperidiny, pyridiny, pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, pyrroly, 3,6-dihydro-1(2H)-pyridiny, thiomorpholiny, and 1,1-dioxidothiomorpholiny; and

15 R₈ is cyano.

140. A compound according to claim 136 wherein

A is a covalent bond;

20 R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidiny, (3R)-3-(dimethylamino)pyrrolidiny, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidiny, (3S)-3-hydroxy-1-pyrrolidiny, (2S)-2-(hydroxymethyl)pyrrolidiny, (2R)-2-(hydroxymethyl)pyrrolidiny, (cis)-2,6-dimethylpiperidiny, 4-methyl-1-piperidiny, 2-methyl-1-piperidiny, 1-piperidiny, (2R,5R)-2,5-dimethylpyrrolidiny, (cis)-2,5-dimethylpyrrolidiny, 1-pyrrolidiny, 2-methyl-1-pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, (2S)-2-methyl-1-pyrrolidiny, (2R)-2-methyl-5-oxo-1-pyrrolidiny, (2S)-2-methyl-5-oxo-1-pyrrolidiny, 3,6-dihydro-1(2H)-pyridiny, (2S)-2-(methoxycarbonyl)-1-pyrrolidiny, (2R)-2-(methoxycarbonyl)-1-pyrrolidiny, (2S)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-ethyl-1-pyrrolidiny, 2,2-dimethyl-1-pyrrolidiny, (2S)-2-ethyl-1-pyrrolidiny 4-morpholiny, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxa-8-azaspiro[4.5]dec-8-yl; and

30

R₈ is cyano.

141. A compound according to claim 136 wherein

L is -CH₂CH₂-;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholiny, piperaziny, piperidiny, pyridiny, pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, pyrroly, 3,6-dihydro-1(2H)-pyridiny, thiomorpholiny, and 1,1-dioxidothiomorpholiny;

R₃, R₅, R₆, R₇ and R₉ are hydrogen;

R₈ is cyano;

X is CH;

Y is CH; and

Z is CH.

142. A compound according to claim 136 wherein

L is -CH₂CH₂-;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidiny, (3R)-3-(dimethylamino)pyrrolidiny, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidiny, (3S)-3-hydroxy-1-pyrrolidiny, (2S)-2-(hydroxymethyl)pyrrolidiny, (2R)-2-(hydroxymethyl)pyrrolidiny, (cis)-2,6-dimethylpiperidiny, 4-methyl-1-piperidiny, 2-methyl-1-piperidiny, 1-piperidiny, (2R,5R)-2,5-dimethylpyrrolidiny, (cis)-2,5-dimethylpyrrolidiny, 1-pyrrolidiny, 2-methyl-1-pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, (2S)-2-methyl-1-pyrrolidiny, (2R)-2-methyl-5-oxo-1-pyrrolidiny, (2S)-2-methyl-5-oxo-1-pyrrolidiny, 3,6-dihydro-1(2H)-pyridiny, (2S)-2-(methoxycarbonyl)-1-pyrrolidiny, (2R)-2-(methoxycarbonyl)-1-pyrrolidiny, (2S)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-(fluoromethyl)-1-pyrrolidiny, (2R)-2-ethyl-1-pyrrolidiny, 2,2-dimethyl-1-pyrrolidiny, (2S)-2-ethyl-1-pyrrolidiny 4-morpholiny, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

R₃, R₅, R₆, R₇ and R₉ are hydrogen;

R₈ is cyano;

X is CH;

Y is CH; and

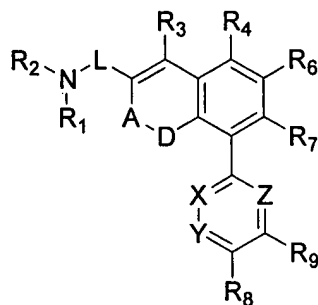
Z is CH.

5

143. A compound according to claim 142 that is 4-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-4-yl)benzonitrile.

10

144. A compound according to claim 1 of formula (VII)



(VII),

or a pharmaceutical acceptable salt, ester, amide, or prodrug thereof, wherein

15 R₄, R₆, and R₇ are independently selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl;

20 R₈ is selected from the group consisting of hydrogen, alkylcarbonyl, arylcarbonyl, cyano, cycloalkylcarbonyl, heterocyclecarbonyl and (NR_AR_B)carbonyl;

25 R₉ is selected from the group consisting of hydrogen, alkoxy, alkoxycarbonyl, alkyl, alkylcarbonyl, alkylcarbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, carboxy, carboxyalkyl, cyano, cyanoalkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl;

X is selected from the group consisting of CH, CR_X and N;

Y is selected from the group consisting of CH, CR_Y and N;

Z is selected from the group consisting of CH, CR_Z and N; and

R_X, R_Y and R_Z are each independently selected from the group consisting of alkoxy, alkoxy carbonyl, alkyl, alkyl carbonyl, alkyl carbonyloxy, alkyl sulfinyl, alkyl sulfonyl, alkyl thio, carboxy, carboxy alkyl, cyano, cyano alkyl, formyl, halogen, haloalkoxy, haloalkyl, hydroxy, hydroxy alkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl and (NR_AR_B)sulfonyl.

145. A compound according to claim 144 wherein A is a covalent bond.

146. A compound according to claim 144 wherein A is a covalent bond; and R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle.

147. A compound according to claim 144 wherein A is a covalent bond; R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholiny, piperaziny, piperidiny, pyridiny, pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny, 2,5-dihydro-1H-pyrroly, pyrroly, 3,6-dihydro-1(2H)-pyridiny, thiomorpholiny, and 1,1-dioxidothiomorpholiny; and

R₈ is cyano.

148. A compound according to claim 144 wherein A is a covalent bond; R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidiny, (3R)-3-(dimethylamino)pyrrolidiny, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidiny, (3S)-3-hydroxy-1-pyrrolidiny, (2S)-2-(hydroxymethyl)pyrrolidiny, (2R)-2-(hydroxymethyl)pyrrolidiny, (cis)-2,6-dimethylpiperidiny, 4-methyl-1-piperidiny, 2-methyl-1-piperidiny, 1-piperidiny, (2R,5R)-2,5-dimethylpyrrolidiny, (cis)-2,5-dimethylpyrrolidiny, 1-pyrrolidiny, 2-methyl-1-pyrrolidiny, (2R)-2-methyl-1-pyrrolidiny,

(2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl; and

R₈ is cyano.

149. A compound according to claim 144 wherein

L is -CH₂CH₂-;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of azepanyl, azetidiny, imadazolyl, morpholinyl, piperazinyl, piperidinyl, pyridinyl, pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl, 2,5-dihydro-1H-pyrrolyl, pyrrolyl, 3,6-dihydro-1(2H)-pyridinyl, thiomorpholinyl, and 1,1-dioxidothiomorpholinyl;

R₃, R₄, R₆, R₇ and R₉ are hydrogen;

R₈ is cyano;

X is CH;

Y is CH; and

Z is CH.

150. A compound according to claim 144 wherein

L is -CH₂CH₂-;

A is a covalent bond;

R₁ and R₂ taken together with the nitrogen atom to which they are attached, together form a heterocycle selected from the group consisting of 1-azepanyl, (3S)-3-(dimethylamino)pyrrolidinyl, (3R)-3-(dimethylamino)pyrrolidinyl, 1H-imidazol-1-yl, (3R)-3-hydroxy-1-pyrrolidinyl, (3S)-3-hydroxy-1-pyrrolidinyl, (2S)-2-(hydroxymethyl)pyrrolidinyl, (2R)-2-(hydroxymethyl)pyrrolidinyl, (cis)-2,6-dimethylpiperidinyl, 4-methyl-1-piperidinyl, 2-methyl-1-piperidinyl, 1-piperidinyl, (2R,5R)-2,5-dimethylpyrrolidinyl, (cis)-2,5-dimethylpyrrolidinyl, 1-pyrrolidinyl, 2-methyl-1-pyrrolidinyl, (2R)-2-methyl-1-pyrrolidinyl,

(2S)-2-methyl-1-pyrrolidinyl, (2R)-2-methyl-5-oxo-1-pyrrolidinyl, (2S)-2-methyl-5-oxo-1-pyrrolidinyl, 3,6-dihydro-1(2H)-pyridinyl, (2S)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2R)-2-(methoxycarbonyl)-1-pyrrolidinyl, (2S)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-(fluoromethyl)-1-pyrrolidinyl, (2R)-2-ethyl-1-pyrrolidinyl, 2,2-dimethyl-1-pyrrolidinyl, (2S)-2-ethyl-1-pyrrolidinyl 4-morpholinyl, 2-oxa-5-azabicyclo[2.2.1]hept-5-yl, and 1,4-dioxo-8-azaspiro[4.5]dec-8-yl;

R₃, R₄, R₆, R₇ and R₉ are hydrogen;

R₈ is cyano;

X is CH;

Y is CH; and

Z is CH.

151. A compound according to claim 1 wherein

one substituent of R₄, R₅, R₆ and R₇ is selected from the group consisting of hydrogen, alkoxy, alkoxy carbonyl, alkyl, alkyl carbonyl, alkyl carbonyloxy, alkylsulfinyl, alkylsulfonyl, alkylthio, aryl, carboxy, carboxyalkyl, cyano, cyanoalkyl, cycloalkyl, formyl, halogen, haloalkoxy, haloalkyl, heterocycle, hydroxy, hydroxyalkyl, mercapto, nitro, -NR_AR_B, (NR_AR_B)alkyl, (NR_AR_B)carbonyl, (NR_AR_B)sulfonyl, -L₂R₂₀, and -R₂₀L₃R₂₂; and the other substituents of R₄, R₅, R₆ and R₇ are each independently selected from the group consisting of hydrogen and alkyl.

152. A compound according to claim 151 wherein

R₄, R₅, R₆ and R₇ are each independently selected from the group consisting of hydrogen, alkyl, heterocycle, -L₂R₂₀, and -R₂₀L₃R₂₂.

153. A compound according to claim 151 selected from the group consisting of

3,5-dimethyl-4-{2-[2-(2R)-methyl-pyrrolidin-1-yl]-ethyl}-benzofuran-4-yl}-isoxazole;

5-{2-[2-(2R)-methyl-pyrrolidin-1-yl]-ethyl}-benzofuran-4-yl}-2-phenyl-oxazole;

2-{2-[2-(2R)-methyl-pyrrolidin-1-yl]-ethyl}-benzofuran-4-yl}-thiazole;

4-{2-[2-(2R)-methyl-pyrrolidin-1-yl]-ethyl}-benzofuran-4-yl}-1H-pyrazole;

4-{2-[2-(2R)-methyl-pyrrolidin-1-yl]-ethyl}-benzofuran-4-yl}-1-phenyl-1H-pyrazole;

1-methyl-4-{2-[(2R)-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-1H-imidazole;

4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-thiazole;

2-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-1H-imidazole;

5 4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-1H-benzoimidazole;

3-methyl-6-{(2R)-[2-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-pyridazine;

2-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-pyrazine;

5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-pyrimidine;

5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-pyridazin-4-ylamine;

10 5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-nicotinonitrile;

4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-1H-indole;

4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-phthalonitrile;

5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-indan-1-one;

15 1-{2-[4-(5,6-dihydro-2H-pyran-3-yl)-benzofuran-2-yl]-ethyl}-(2R)-methyl-pyrrolidine;

1-[2-(4-cyclohept-1-enyl-benzofuran-2-yl)-ethyl]-(2R)-methyl-pyrrolidine;

(2R)-methyl-1-(2-{4-[2-(1H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-benzofuran-2-yl}-ethyl)-pyrrolidine;

4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-4-yl}-pyridine;

20 3,5-dimethyl-4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-isoxazole;

5-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-2-phenyl-oxazole;

2-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-thiazole;

4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-1H-pyrazole;

25 4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-1-phenyl-1H-pyrazole;

1-methyl-4-{2-[2(R)-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-1H-imidazole;

4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-thiazole;

2-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-1H-imidazole;

30 4-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-1H-benzoimidazole;

3-methyl-6-{2(R)-[2-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-pyridazine;

2-{2-[2-(2R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-pyrazine;

- 5-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-pyrimidine;
 5-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-pyridazin-4-ylamine;
 5-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-nicotinonitrile;
 4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-1H-indole;
 5 4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-phthalonitrile;
 5-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-indan-1-one;
 1-{2-[6-(5,6-dihydro-2H-pyran-3-yl)-benzofuran-2-yl]-ethyl}-2(R)-methyl-
 pyrrolidine;
 1-[2-(6-cyclohept-1-enyl-benzofuran-2-yl)-ethyl]-2(R)-methyl-pyrrolidine;
 10 2(R)-methyl-1-(2-{6-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-
 benzofuran-2-yl}-ethyl)-pyrrolidine;
 4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-pyridine;
 3,5-dimethyl-4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-
 isoxazole;
 15 5-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-2-phenyl-oxazole;
 2-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-thiazole;
 4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-1H-pyrazole;
 4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-1-phenyl-1H-pyrazole;
 1-methyl-4-{2-[2(R)-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-1H-
 20 imidazole;
 4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-thiazole;
 2-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-1H-imidazole;
 4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-1H-benzoimidazole;
 3-methyl-6-{2(R)-[2-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-pyridazine;
 25 2-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-pyrazine;
 5-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-pyrimidine;
 5-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-pyridazin-4-ylamine;
 5-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-nicotinonitrile;
 4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-1H-indole;
 30 4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-phthalonitrile;
 5-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-indan-1-one;

1-{2-[7-(5,6-dihydro-2H-pyran-3-yl)-benzofuran-2-yl]-ethyl}-2(R)-methyl-pyrrolidine;

1-[2-(7-cyclohept-1-enyl-benzofuran-2-yl)-ethyl]-2(R)-methyl-pyrrolidine;

2(R)-methyl-1-(2-{7-[2-(11H-10-thia-dibenzo[a,d]cyclohepten-5-ylidene)-ethyl]-benzofuran-2-yl}-ethyl)-pyrrolidine; and

4-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-7-yl}-pyridine.

154. A compound according to claim 1 selected from the group consisting of

(3-fluorophenyl)[3-(2-{2-[(2R)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)phenyl]methanone;

(2R)-2-methyl-1-[2-(5-phenoxy-1-benzofuran-2-yl)ethyl]pyrrolidine;

(2R)-1-(2-{5-[(3-fluorophenyl)thio]-1-benzofuran-2-yl}ethyl)-2-methylpyrrolidine;

4-(4-{2-[2-(2S)-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzoyl)morpholine;

4-{4-methyl-2-oxo-3-[2-(2S)-methyl-1-pyrrolidinyl ethyl]-2H-chromen-6-yl}benzonitrile;

4-{4-methyl-2-oxo-3-[2-(2R)-methyl-1-pyrrolidinyl ethyl]-2H-chromen-6-yl}benzonitrile;

4-{[6-(2-{2-[(2S)-methylpyrrolidinyl]ethyl}-1-benzofuran-5-yl)-3-pyridinyl]carbonyl}morpholine;

4-(2-{2-[(2R)-2-methylpyrrolidinyl]ethyl}-2,3-dihydro-1-benzofuran-5-yl)benzonitrile;

4-(2-{2-[(2S)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-4-yl)benzonitrile;

4-{2-[2-(2(S)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-6-yl}-benzonitrile;

3-(2-{2-[(2S)-2-methyl-1-pyrrolidinyl]ethyl}-1-benzofuran-5-yl)benzonitrile;

(4-methoxy-phenyl)-methyl-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-amine;

benzo[1,3]dioxol-5-yl-methyl-{2-[2-(2-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-amine;

cyclohexyl-methyl-{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-amine; and

{2-[2-(2(R)-methyl-pyrrolidin-1-yl)-ethyl]-benzofuran-5-yl}-(tetrahydro-pyran-4-yl)-amine.

155. A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 1 in combination with a pharmaceutically acceptable carrier.

5 156. A method of selectively modulating the effects of histamine-3 receptors in a mammal comprising administering an effective amount of a compound of claim 1.

10 157. A method of treating a disorder wherein the disorder is ameliorated by modulating the histamine-3 receptors in a mammal comprising administering an effective amount of a compound of claim 1.

15 158. The method according to claim 157 wherein the disorder is selected from the group consisting of acute myocardial infarction, asthma, bipolar disorder, cognitive enhancement, cognitive deficits in psychiatric disorders, cutaneous carcinoma, drug abuse, depression, gastrointestinal disorders, inflammation, jet lag, medullary thyroid carcinoma, melanoma, allergic rhinitis, Meniere's disease, migraine, mood and attention alteration, motion sickness, neurogenic inflammation, obsessive compulsive disorder, pain, Parkinson's disease, schizophrenia, seizures, septic shock, Tourette's syndrome, vertigo, and wakefulness.

20 159. The method according to claim 157 wherein the disorder is Alzheimer's disease.

160. The method according to claim 157 wherein the disorder is attention-deficit hyperactivity disorder.

25 161. The method according to claim 157 wherein the disorder is epilepsy.

162. The method according to claim 157 wherein the disorder is narcolepsy.

163. The method according to claim 157 wherein the disorder is obesity.

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164. The method of claim 157 wherein the disorder is selected from the group consisting of mild cognitive impairment, deficits of memory, deficits of learning and dementia.